

Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1-2. (Canceled)

3. (Previously presented) A planarizing machine, comprising:

a table having a support surface;

a processing pad on the support surface;

a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head relative to the support surface;

a solution dispenser separate from the head, the solution dispenser being configured to discharge a planarizing solution onto a plurality of locations on the pad, wherein the solution dispenser comprises an elongated support over the pad at a location spaced apart from a travel path of the head, a fluid passageway carried by the support through which a planarizing solution can flow, and an elongated distributor slot along at least a portion of the support; and

a valve having an elongated valve slot movable between an open position and a closed position, in the open position the valve slot being aligned with the distributor slot so that the distributor slot is in fluid communication with the fluid passageway to create an elongated flow of planarizing solution and in the closed position the valve slot being positioned away from the distributor slot so that planarizing solution cannot flow through the distributor slot.

4. (Currently Amended) A planarizing machine, comprising:

a table having a support surface;

a processing pad on the support surface;

a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head relative to the support surface; and

a solution dispenser separate from the head, the solution dispenser being configured to discharge a planarizing solution onto a plurality of locations on the pad, wherein the solution dispenser comprises an elongated support over the pad at a location spaced apart

from a travel path of the head, a channel along at least a portion of the support through which a planarizing solution can flow, the channel having an elongated opening with~~and~~ a lip along at least a portion of the ~~channel~~elongated opening, the lip being configured so that planarizing solution being discharged from the solution dispenser can flow over the lip~~which the planarizing solution can flow.~~

5-13. (Canceled)

14. (Previously presented) A planarizing machine, comprising:

a table having a support surface;

a processing pad on the support surface;

a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head;

a solution dispenser separate from the head, the solution dispenser having a support over the pad and a distributor carried by the support, the distributor being configured to discharge a planarizing solution from a plurality of locations along the support, wherein the support comprises an elongated arm and a fluid passageway carried by the arm through which a planarizing solution can flow, and the distributor further comprises an elongated distributor slot along at least a portion of the arm; and

a valve having an elongated valve slot movable between an open position and a closed position, in the open position the valve slot being aligned with the distributor slot so that the distributor slot is in fluid communication with the fluid passageway to create an elongated flow of planarizing solution and in the closed position the valve slot being positioned away from the distributor slot so that planarizing solution cannot flow through the distributor slot.

15. (Previously presented) A planarizing machine, comprising:

a table having a support surface;

a processing pad on the support surface;

a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head; and

a solution dispenser separate from the head, the solution dispenser having a support over the pad and a distributor carried by the support, the distributor being configured to discharge a planarizing solution from a plurality of locations along the support wherein the support comprises an elongated arm and a channel along at least a portion of the arm through which a planarizing solution can flow, and the distributor further comprises a weir along at least a portion of the channel over which the planarizing solution can flow.

16-24. (Canceled)

25. (Previously presented) A planarizing machine, comprising:

- a table having a support surface;
- a processing pad on the support surface;
- a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head;

- a solution dispenser having an elongated distributor opening along the fluid conduit through which a planarizing solution can flow; and

- a valve having an elongated valve opening movable between an open position and a closed position, in the open position the valve opening being aligned with the distributor opening so that planarizing solution can flow through the distributor opening and in the closed position the valve opening being positioned away from the distributor opening so that planarizing solution cannot flow through the distributor opening.

26. (Previously amended) A planarizing machine, comprising:

- a table having a support surface;
- a processing pad on the support surface;
- a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head; and

- a solution dispenser having an elongated weir over which a planarizing solution can flow, the weir being spaced apart from the processing pad and positioned over at least a portion of the processing pad.

27-31. (Canceled)

32. (Previously presented) A method of processing a microelectronic workpiece, comprising:

removing material from the workpiece by pressing the workpiece against a contact surface of a processing pad and imparting relative motion between the workpiece and the contact surface;

depositing a first flow of a planarizing solution from a dispenser directly onto a first region of the contact surface; and

depositing a second flow of the planarizing solution from the dispenser directly onto a second region of the contact surface separate from the first region, wherein the dispenser comprises a support, a first elongated slot along a first section of the support, and a second elongated slot along a second section of the support, and depositing the flow of the planarizing solution comprises discharging planarizing solution through the first and second slots at a common flow rate, the first slot discharging the first flow and the second slot discharging the second flow.

33-45. (Canceled)

46. (Currently Amended) A method of processing a microelectronic workpiece, comprising:

removing material from the workpiece by pressing the workpiece against a contact surface of a processing pad and imparting relative motion between the workpiece and the contact surface; and

moving an elongated valve slot from a closed position to an open position, in the open position the valve slot being aligned with an elongated distributor slot of a dispenser having a support so that a planarizing solution is discharged directly onto a first region of the contact surface and concurrently discharged onto a second region of the contact surface separate from the first region, the planarizing solution being deposited onto the first and second regions separate

from a head carrying the workpiece, in the closed position the valve slot being positioned away from the distributor slot so that planarizing solution cannot flow through the distributor slot.

47. (Previously presented) A method of processing a microelectronic workpiece, comprising:

removing material from the workpiece by pressing the workpiece against a contact surface of a processing pad and imparting relative motion between the workpiece and the contact surface; and

discharging a planarizing solution directly onto a first region of the contact surface and concurrently discharging the planarizing solution directly onto a second region of the contact surface separate from the first region, the planarizing solution being deposited onto the first and second regions separate from a head carrying the workpiece, wherein the planarizing solution is discharged through a dispenser having a support and an elongated weir along at least a portion of the support, and discharging the planarizing solution onto the pad comprises passing a flow of planarizing solution over the weir.

48-56. (Canceled)

57. (Previously presented) A planarizing machine, comprising:

a table having a support surface;

a processing pad on the support surface;

a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head relative to the support surface;

a solution dispenser separate from the head, the solution dispenser including an elongated support over the pad, a fluid passageway carried by the support, and an elongated element along at least a portion of the support, the elongated element having an elongated distributor slot positioned along a longitudinal dimension of the support; and

a valve having an elongated valve slot movable between an open position and a closed position, in the open position the valve slot being aligned with the distributor slot so that the distributor slot is in fluid communication with the fluid passageway to create a flow of planarizing solution elongated along the longitudinal dimension of the support and in the closed

position the valve slot being positioned away from the distributor slot so that planarizing solution cannot flow through the distributor slot.

58. (Previously presented) A planarizing machine, comprising:

- a table having a support surface;
- a processing pad on the support surface;
- a carrier assembly having a head configured to hold a microelectronic workpiece and a drive assembly carrying the head relative to the support surface; and
- a solution dispenser separate from the head, the solution dispenser including an elongated support over the pad, a fluid passageway carried by the support, and an elongated element along at least a portion of the support, the elongated element being in fluid communication with the fluid passageway and configured to create a flow of planarizing solution elongated along a longitudinal dimension of the support, the elongated element comprising a weir having an elongated lip over which the planarizing solution can flow.

59. (New) The planarizing machine of claim 3 wherein the elongated distributor slot is elongated along a first axis, the elongated valve slot is elongated along a second axis at least approximately parallel to the first axis, and the elongated flow of planarizing solution includes an elongated flow of planarizing solution being discharged through the valve slot and the distributor slot onto the pad along a line across the pad.

60. (New) The planarizing machine of claim 4 wherein the elongated opening is elongated along an axis and the planarizing solution that flows over the lip includes an elongated flow of planarizing solution being discharged onto the pad along a line across the pad.

61. (New) The planarizing machine of claim 14 wherein the elongated distributor slot is elongated along a first axis, the elongated valve slot is elongated along a second axis at least approximately parallel to the first axis, and the elongated flow of planarizing solution includes an elongated flow of planarizing solution being discharged through the valve slot and the distributor slot onto the pad along a line across the pad.

62. (New) The planarizing machine of claim 25 wherein the elongated distributor opening is elongated along a first axis, the elongated valve opening is elongated along a second axis at least approximately parallel to the first axis, and the planarizing solution that flows through the distributor opening includes an elongated flow of planarizing solution being discharged through the valve opening and the distributor opening onto the pad along a line across the pad.

63. (New) The method of claim 32 wherein the first elongated slot is elongated along a first axis, the second elongated slot is elongated along a second axis, the first flow includes a first elongated flow of planarizing solution being discharged onto the first region along a first line across the pad, and the second flow includes a second elongated flow of planarizing solution being discharged onto the second region along a second line across the contact surface.

64. (New) The method of claim 63 wherein the first axis is different from the second axis and the first line is different from the second line.

65. (New) The planarizing machine of claim 46 wherein the elongated valve slot is elongated along a first axis, the distributor slot includes an elongated distributor slot elongated along a second axis at least approximately parallel to the first axis, and the planarizing solution being discharged directly onto the first region includes an elongated flow of planarizing solution being discharged through the valve slot and the distributor slot directly onto the first region along a line across the contact surface.

66. (New) The planarizing machine of claim 57 wherein the elongated flow of planarizing solution includes an elongated flow of planarizing solution being discharged through the valve slot and the distributor slot onto the pad along a line across the pad.